

Fig. 1
(Prior Art)

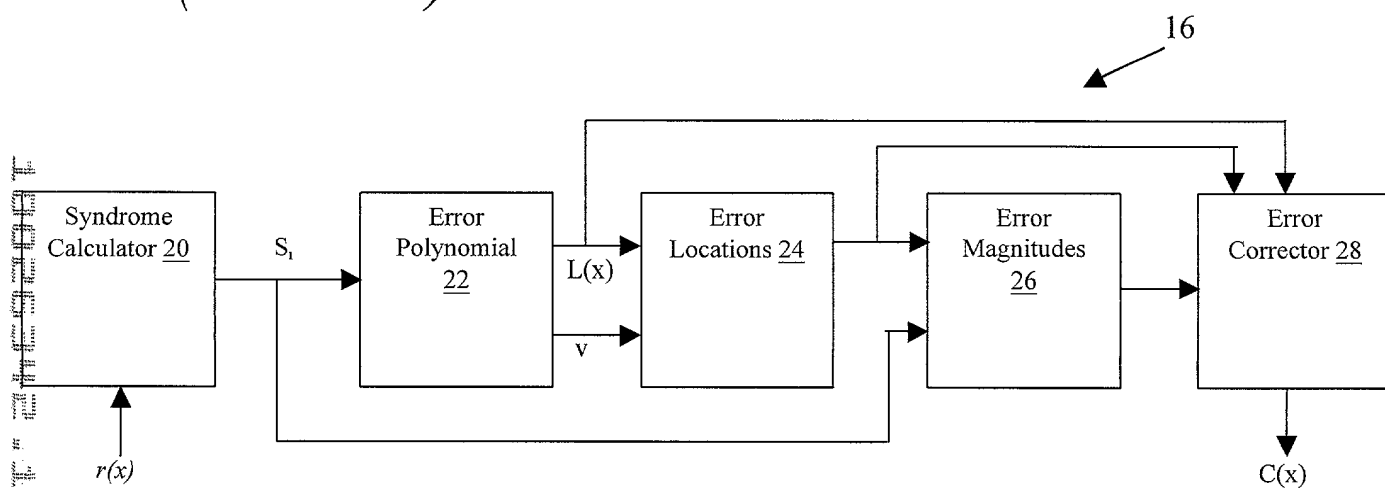


Fig. 2

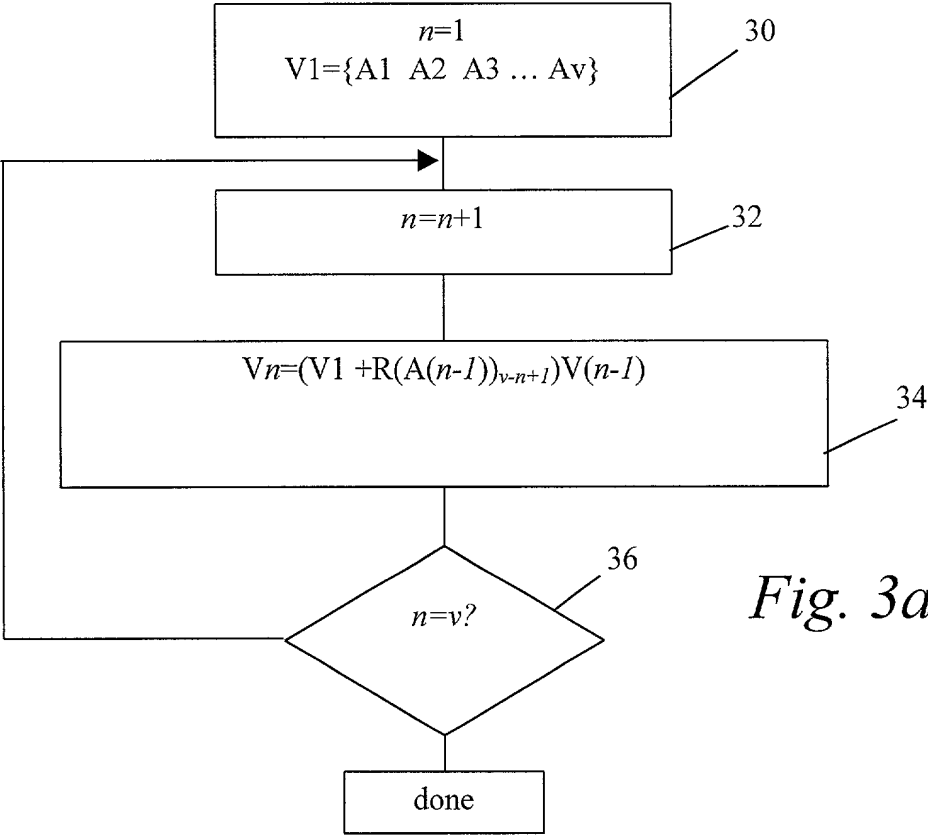


Fig. 3a

n	1	2	3
V1	{A1 A2 A3}	{X A2 A3}	{X X A3}
V(n-1)	-	{X A2 A3}	{X X A3(A1+A3)}
R(A(n-1))_{v-n+1}		{X A1 A1}	{X X A2}
V1+R(A(n-1))_{v-n+1}		{X A1+A2 A1+A3}	{X X A2+A3}
(V1+R(A(n-1))_{v-n+1})*V(n-1)		{0 A2(A1+A2) A3(A1+A3)}	{0 0 A3(A1+A3)(A2+A3)}

Fig. 3b

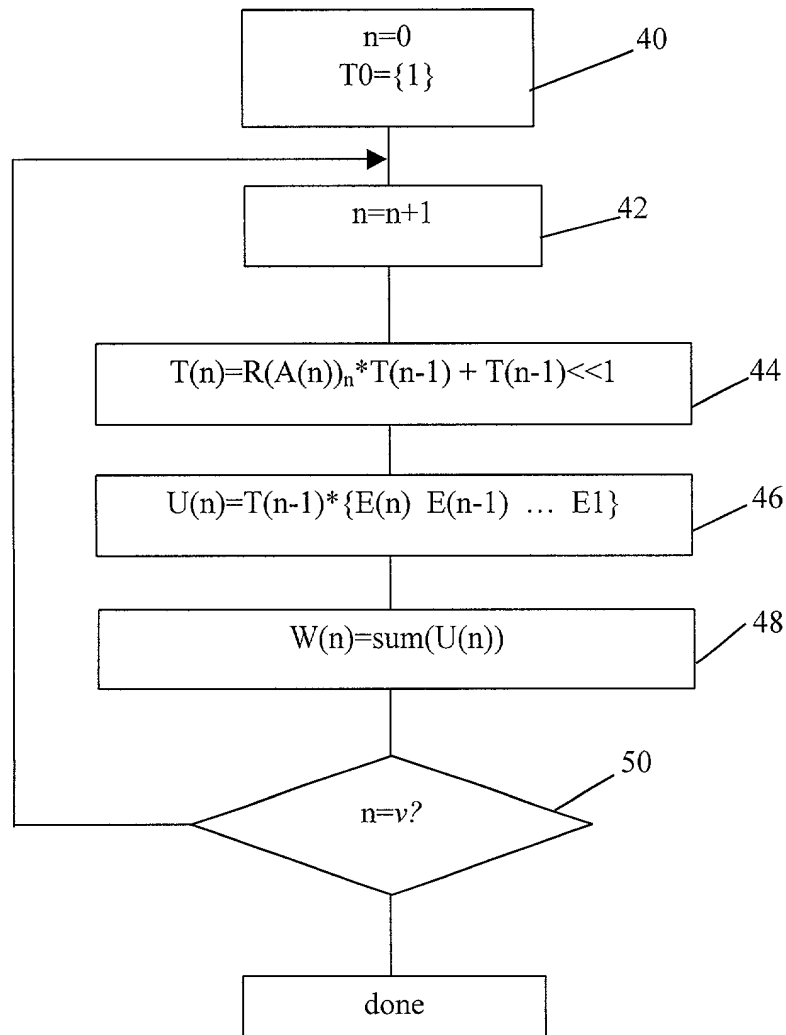


Fig. 4a

n	0	1	2	3
$T(n-1)$	-	$\{1\}$	$\{1 \ A1\}$	$\{1 \ A1+A2 \ A1A2\}$
$R(A(n))_n$	-	$\{A1\}$	$\{A2 \ A2\}$	$\{A3 \ A3 \ A3\}$
$R(A(n))_n * T(n-1)$	-	$\{A1\}$	$\{A2 \ A1A2\}$	$\{A3 \ A3(A1+A2) \ A1A2A3\}$
$T(n-1) \ll 1$	-	$\{1 \ 0\}$	$\{1 \ A1 \ 0\}$	$\{1 \ A1+A2 \ A1A2 \ 0\}$
$T(n)$	$\{1\}$	$\{1 \ A1\}$	$\{1 \ A2+A1 \ A1A2\}$	$\{1 \ A1+A2+A3 \ A1A3+A2A3+A1A2 \ A1A2A3\}$

Fig. 4b

n	0	1	2	3
$\{E\}$	-	$\{E1\}$	$\{E2 \ E1\}$	$\{E3 \ E2 \ E1\}$
$U(n)$	-	$\{E1\}$	$\{E2 \ A1E1\}$	$\{E3 \ E2A1+E2A2 \ E1A1A2\}$
$W[n]$	-	$E1$	$E2+A1E1$	$E3+E2A1+E2A2+E1A1A2$ $=E3+E2A1+A2(E2+E1A1)$

Fig. 4c

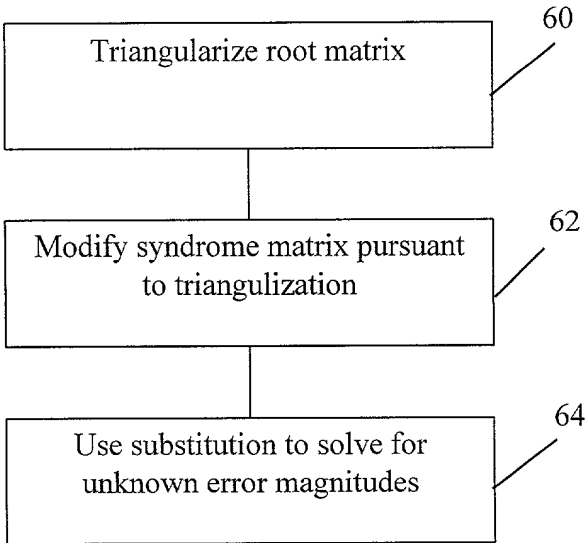


Fig. 5